

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/000229

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B30B15/06 B32B27/10 B32B31/20 B29C33/38 B44C5/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B30B B32B B29C B44C B41N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 454 457 A (HALE EDWARD C ET AL) 8 July 1969 (1969-07-08) the whole document	1-18
X	EP 0 552 918 A (GEN ELECTRIC) 28 July 1993 (1993-07-28) page 3, lines 22-30 page 5, lines 1-12	1-18
X	PATENT ABSTRACTS OF JAPAN vol. 0082, no. 62 (M-341), 30 November 1984 (1984-11-30) & JP 59 133011 A (DAINIPPON INSATSU KK), 31 July 1984 (1984-07-31) abstract	1,2,6, 16-18
	----- -/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

4 April 2005

Date of mailing of the international search report

11/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Golombek, G

COPY

BEST AVAILABLE COPY


INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/000229

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 350 990 A (INMONT CORP) 24 April 1974 (1974-04-24) page 1, lines 44-77 column 2, lines 39-48 -----	1,2,6-18
A	US 6 190 514 B1 (MA MUYUAN M ET AL) 20 February 2001 (2001-02-20) column 1, lines 15-41 -----	6,12

COPY

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/000229

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3454457	A	08-07-1969	GB 1083072 A	13-09-1967
EP 0552918	A	28-07-1993	US 5261984 A	16-11-1993
			EP 0552918 A1	28-07-1993
			JP 5261814 A	12-10-1993
JP 59133011	A	31-07-1984	NONE	
GB 1350990	A	24-04-1974	CA 959218 A1	17-12-1974
			DE 2121767 A1	25-11-1971
			FR 2088326 A5	07-01-1972
US 6190514	B1	20-02-2001	AT 407534 B	25-04-2001
			AT 183298 A	15-08-2000
			AU 714912 B2	13-01-2000
			AU 8944398 A	22-07-1999
			BR 9805733 A	22-02-2000
			CA 2257323 A1	30-06-1999
			CN 1230604 A	06-10-1999
			DE 19860649 A1	01-07-1999
			ES 2152173 A1	16-01-2001
			FR 2773174 A1	02-07-1999
			GB 2332915 A , B	07-07-1999
			ID 21615 A	01-07-1999
			IL 126700 A	14-06-2001
			IT RM980728 A1	30-06-1999
			JP 11246691 A	14-09-1999
			RU 2161212 C2	27-12-2000
			SE 519483 C2	04-03-2003
			SE 9804457 A	01-07-1999
			TW 411321 B	11-11-2000

COPY

BEST AVAILABLE COPY